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(71) Applicant and

(72) Inventor: CHAHROUDI, Day [US/US]; 41 Juniper Hill Loop, Cedar Crest, NM 87008 (US).

(74) Agents: AKSMAN, Stanislaus, A. et al.; Intellectual Property Department, Hunton & Williams LLP, 1900 K Street, N. W. Suite 1200, WA, DC 20006-1109 (US).

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(54) Title: PREPARATION OF LIGHT VALVES

(57) Abstract: Light valves which are controlled by temperature are made by rapidly injecting between two closely spaced sheets, of e.g. glass, a low viscosity monomer + solvent solution, and then rapidly polymerizing the monomer to form a solid layer, which is transparent below a specified temperature, and opaque above that temperature. The low viscosity of the monomer solution and its rapid polymerization makes mass production economically practical. Production machinery for these light valves may be adapted from existing machinery that has been made for manufacturing sealed, double pane windows.

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INTERNATIONAL SEARCH REPORT

International application No.

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G02F 1/03

US CL : 359/241

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : Please See Continuation Sheet

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
US-PGPUB, USOCR, USPAT, IBM_TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	US 6,084,702 (BYKER et al.) 04 July 2000 (04.07.2000) whole document	1, 14
X — Y	US 5,856,211 (TONAZZI et al.) 05 January 1999 (04.01.1999) whole document	2, 4-13, 15-18, 19-23, 41 24, 27, 28, 39, 47
Y	US 6,094,290 (CRAWFORD et al.) 25 July 2000 (25.07.2000) whole document	29-38, 40-46 44-46

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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P.O. Box 1450
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Facsimile No.

Authorized Officer

Joseph M. Farnitz

Telephone No. 571-272-2335

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Continuation of B. FIELDS SEARCHED Item 1:

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